

PUB-NO: DE004007646A1

DOCUMENT-IDENTIFIER: DE 4007646 A1

TITLE: View improving system for vehicle - has illumination
optics, radiating IR light with fixed transmission
polarisation

PUBN-DATE: September 19, 1991

INVENTOR-INFORMATION:

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APPL-NO: DE04007646

APPL-DATE: March 10, 1990

PRIORITY-DATA: DE04007646A (March 10, 1990)

INT-CL (IPC): B60Q001/00, G01S017/88 , H04N005/33 , H04N007/18

EUR-CL (EPC): G01S007/499 ; G01S017/93

ABSTRACT:

CHG DATE=19990617 STATUS=O>The view improving system is for use in darkness, bad weather, and fog, realised by radiation and reception of e.m. waves. An illumination optic radiates IR light with a fixed transmission polarisation in a preset spatial angular range. A reception optic receives reflected parts of the radiated light in a reception polarisation orthogonal to the transmission

one. A display optic reproduces the image signal obtained from the reception optic. The radiated light is pref. horizontally or vertically polarised. The reception optic may contain a spectral line filter. The emitted light is a radiation beam, widened in a plane through the coupling line of illumination and reception optics. USE/ADVANTAGE - For cars, lorries, buses, locomotives, and aircraft, with considerable improvement of vision under difficult conditions.